DECEMBER 2023 **P/ID 4432/PGE1B**

Time : Three hours Maximum : 80 marks

PART A — ($10 \times 2 = 20$ marks)

Answer any TEN questions in 50 words each.

1. Define the term "Applied Geomorphology".

2. What does "Epeirogeny" mean?

3. What are the characteristics of the Earth's Crust?

4. What is a "Rift Valley"?

5. How will you differentiate "Convergent and Divergent boundaries"

6. What does Exfoliation mean?

7. What are the major textures of Soil?

8. What are "Levees"?

9. Differentiate the term "Stalactite and Stalagmite".

10. What causes Arid landform?

11. What does "Land Unit" mean?

12. What is Checklist Hazard analysis?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions in 250 words each.

13. Examine various system concepts in geomorphological studies.

14. Write an explanatory note on the "Big Bang Theory".

15. Explain the mechanism of chemical weathering process.

16. What does Soil salinization mean? Explain the Soil conservation practices.

17. Examine the construction and destruction of a coastal region.

18. What does drainage mean? Explain various drainage patterns.

19. Bring out the various stages the Hazard analysis.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions in 500 words each.

20. Critically examine the geomorphic concept of L.C King differ from W.M. Davis.

21. Evaluate the effects of Earthquakes and Volcanoes on the people and the environment.

22. What are Landslides? Explain the causes, effects and mitigation measures of Landslides.

23. Discuss the erosion, sedimentation and structural adjustments of a Arid landforms.

24. Evaluate the role of geomorphology in sustainable Water Resources Planning.

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